		Application No.	Applicant(s)				
Notic	to Comply	09/529,239	DOUTRIAUX ET AL.				
	to Comply	Examiner	Art Unit				
		David H Kruse	1638				

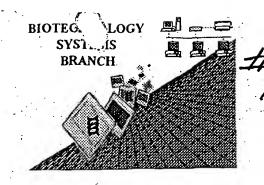
NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirement for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):	its
☑ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).	
2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).	
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).	
4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."	
5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must b submitted as required by 37 C.F.R. 1.825(d).	e
6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).	,
☐ 7. Other:	
Applicant Must Provide: ☑ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".	
An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.	
A statement that the content of the paper and computer readable copies are the same and, where applicable, including no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).	le
For questions regarding compliance to these requirements, please contact:	
For Rules Interpretation, call (703) 308-4216	
For CRF Submission Help, call (703) 308-4212	
Patentin Software Program Support Technical Assistance703-287-0200	
To Purchase Patentin Software703-306-2600	

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable

.

Application Serial Number: 09/529, 239

JUL 0 5 2001

Source:

1638

Date Processed by STIC:

6-12-01

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker



TECH CENTER 1600/2900

1638

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/529,239

DATE: 06/12/2001 TIME: 13:19:50

Input Set : A:\09529239SeqList.txt

Output Set: N:\CRF3\06122001\1529239.raw

Does Not Comply
Corrected Diskette Needed

See Pp. 1,2,5

```
2 <110> APPLICANT: Doutriaux, Marie-Pascale
              Betzner, Andreas
      3
              Freyssinet, Georges
             Perez, Pascal
      7 <120> TITLE OF INVENTION: METHOD FOR OBTAINING PLANT VARIETIES
     10 <130> FILE REFERENCE: A33153-PCT-USA 072667.0128
     12 <140> CURRENT APPLICATION NUMBER: US 09/529,239
C--> 13 <141> CURRENT FILING DATE: 2000-01-27
     15 <150> PRIOR APPLICATION NUMBER: PCT/EP98/06977
     16 <151> PRIOR FILING DATE: 1998-10-09
     18 <160> NUMBER OF SEQ ID NOS: 98
```

ERRORED SEQUENCES

RED	SEQUENCES						1:00
				. /-	- f car	lences (differ.
932	<210> SEQ I	D NO: 26	- //	umber		, , , , , , , , , , , , , , , , , , , ,	
933	<211> LENGT	H: (1385) -		-/385	listed	_	
934	<212> TYPE:	DNA		- 2188	shown	(see nex	+ page)
935	<213> ORGAN	IISM: Arabid	dopsis thali	iana ecotype	e Columbia		, ,
936	<223> OTHER	INFORMATIO	N: Clone 43	3			
200	/100/ D#X05						
	cccgggatgc						60
	acgaagggtt						120
942	tttaatgtga	aggaagggga	tgctaaaggc	gacgcttctg	tacgttttgc	tgtttcgaaa	180
	tctgtcgatg						240
	ccgtctggat						300
	atgcataagt						360
	gttgttccgc						420
	cgttccaata						480
	gaacttagat						540
	gggatgcgtc						600
	gaggataagg						660
	tgtggagaga						720
952	atcagggatg	ccaatagaag	acgtcctgat	gatccccttt	acgatagaaa	gaccttacac	780
	ataccacctg						840
954	agtgaatata	tggacattgt	gcttttcttt	aaagtgggga	aattttatga	gctgtatgag	900
	ctagatgcgg						960
	aaatgcagac						1020
	gctcgtggat						1080
	agaggtgcta						1140
	agcgagggaa						1200
	gagctacaaa						1260
	ttttgggttg						1320
962	caggtttctc	caaaggaagt	gttatatgac	agtaaagggc	tatcaagaga	agcacaaaag	1380
963	gctctaagga	aatatacgtt	gacagggtct	acggcggtac	agttggctcc	agtaccacaa	1440
964	gtaatggggg	atacagatgc	tgctggagtt	agaaatataa	tagaatctaa	cggatacttt	1500
965	aaaggttctt	ctgaatcatg	gaactgtgct	gttgatggtc	taaatgaatg	tgatgttgcc	1560

DATE: 06/12/2001

TIME: 13:19:50

Input Set : A:\09529239SeqList.txt Output Set: N:\CRF3\06122001\I529239.raw 966 cttaqtqctc ttqqaqaqct aattaatcat ctqtctaqqc taaaqctaga agatgtactt 1620 967 aaqcatqqqq atatttttcc ataccaagtt tacaggggtt gtctcagaat tgatggccag 1680 968 acqatqqtaa atcttqagat atttaacaat agctqtqatq qtqqtccttc agggaccttg 1740 969 tacaaatatc ttgataactg tgttagtcca actggtaagc gactcttaag gaattggatc 1800 970 tgccatccac tcaaagatgt agaaagcatc aataaacggc ttgatgtagt tgaagaattc 1860 971 acggcaaact cagaaagtat gcaaatcact ggccagtatc tccacaaact tccagactta 1920 972 gaaagactgc toggacgcat caagtotagc gttcgatcat cagcototgt gttgcctgct 1980 973 cttctgggga aaaaagtgct gaaacaacga gttaaagcat ttgggcaaat tgtgaaaggg 2040 974 ttcagaagtg gaattgatct gttgttggct ctacagaagg aatcaaatat gatgagtttg 2100 975 ctttataaac tctgtaaact tcctatatta gtaggaaaaa gcgggctaga gttatttctt 2160 E--> 976 tctcaattcg aagcagceat agatagcg 1013 <210> SEQ ID NO/ 28 - 1385 listed. 1014 <211> LENGTH: 34 1015 <212> TYPE: DNA 1016 <213> ORGANISM: Attificial sequence 1018 <220> FEATURE: 1019 <223> OTHER INFORMATION: MSH6 specific primer 2S8 for PCR using cDNA of Arabidopsis thaliana > Incorrect sequence i.d. number. ecotype Columbia 1020 E--> 1022 <400> SEQUENCE (26)---1024 atcccgggtt atttgggaac acagtaagag gatt 1341 <210> SEQ ID NO: 31 1342 <211> LENGTH: 1109 1343 <212> TYPE: PRT 1344 <213> ORGANISM: Arabidopsis thaliana ecotype Columbia 1345 <223> OTHER INFORMATION: Polypeptide MSH6 1347 <400> SEQUENCE: 31 1349 Met Gln Arg Gln Arg Ser Ile Leu Ser Phe Phe Gln Lys Pro Thr Ala 1352 Ala Thr Thr Lys Gly Leu Val Ser Gly Asp Ala Ala Ser Gly Gly 1355 Gly Ser Gly Gly Pro Arg Phe Asn Val Arg Glu Gly Asp Ala Lys Gly 1358 Asp Ala Ser Val Arg Phe Ala Val Ser Lys Ser Val Asp Glu Val Arg 55 1361 Gly Thr Asp Thr Pro Pro Glu Lys Val Pro Arg Arg Val Leu Pro Ser 1362 65 70 1364 Gly Phe Lys Pro Ala Glu Ser Ala Gly Asp Ala Ser Ser Leu Phe Ser 85 90 1367 Asn Ile Met His Lys Phe Val Lys Val Asp Asp Arg Asp Cys Ser Gly

105

125

155

170

1370 Glu Arg Ser Arg Glu Asp Val Val Pro Leu Asn Asp Ser Ser Leu Cys

1373 Met Lys Ala Asn Asp Val Ile Pro Gln Phe Arg Ser Asn Asn Gly Lys

1376 Thr Gln Glu Arg Asn His Ala Phe Ser Phe Ser Gly Arg Ala Glu Leu

1379 Arg Ser Val Glu Asp Ile Gly Val Asp Gly Asp Val Pro Gly Pro Glu

1382 Thr Pro Gly Met Arg Pro Arg Ala Ser Arg Leu Lys Arg Val Leu Glu

135

150

165

120

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/529,239

100

1371 115

1377 145

130



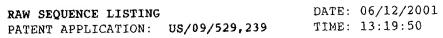
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/529,239

DATE: 06/12/2001
TIME: 13:19:50

Input Set : A:\09529239SeqList.txt
Output Set: N:\CRF3\06122001\1529239.raw

1383				180					185					190		
1385	Asp				Phe	Lys	Glu	_		Val	Pro	Val			Ser	Asn
1386			195					200					205	_	_	*
	Lys	-	Leu	Lys	Met	Leu		Asp	Pro	Val	Cys		GLu	Lys	Lys	GLu
1389		210	01	01	ml	τ	215	01	m	T	0 3	220	0.0	3	т1 -	7
	Val	Asn	GIU	GIY	Thr	-	Pne	GLU	Trp	Leu		ser	ser	Arg	me	240
1392	Asp	א ז ∽	N a n	7 22	N mar	230	Dvo	* on	7 an	Dro	235	Marco	A an	7 200	Tvc	
1394	_	Ald	ASII	AIG	245	AIG	210	АБР	ныр	250	ьеи	1 7 1	изр	мту	255	T 11T
	Leu	Uic	Tla	Dro		λen	V = 1	Dho	T.37.0		Mot	Sar	Δla	Car		T.vre
1398		11.1.0	110	260	110	"SP	*4.1	1110	265	4,5	1100	001	1114	270	9211	1,10
	Gln	Tvr	Trp		Va1	Lvs	Ser	Glu		Met	Asp	Tle	Val		Phe	Phe
1401		-1-	275	001	,	 10	501	280	-				285			
	Lys	Val		Lys	Phe	Tyr	Glu	Leu	Tyr	Glu	Leu	Asp		G1u	Leu	Gly
1404	_	290	1	-1-		_	295		-			300				-
1406	His	Lys	Glu	Leu	Asp	Trp	Lys	Met	Thr	Met	Ser	Gly	Val	Gly	Lys	Cys
1407	305					310					315					320
1409	Arg	Gln	Val	Gly	Ile	Ser	Glu	Ser	Gly	Ile	Asp	Glu	Ala	Val	Gln	Lys
1410					325					330					335	
	Leu	Leu	Ala		Gly	Tyr	Lys	Val		Arg	Ile	Glu	Gln		Glu	Thr
1413				340					345					350		
1415		Asp			_		_		Ala	Asn	Thr	Ile		Pro	Arg	Lys
1416		7	355		_			360	~-1	- 1	_	- 1	365	_	~ 1	~ 1
1418			GIn	Val	Leu	Thr		Ser	Thr	Ala	Ser		GLY	Asn	TTE	GTÀ
1419 1421		370	3] a	17.0]	111.0	T 011	375	31 a	Tla	Ť vv a	Δ1.,	380	Tvic	Mot	C1	T ou
1421		ASP	нта	vaı	птэ	390	Leu	нта	116	гуѕ	395	TTE	гуз	Mec	GIU	400
1424		T.ve	Cve	Ser	Thr		ጥህዮ	Glv	Dhe	Δla		Val	Δsn	Cvs	Δ1а	
1425		Lys	Cys	DCI	405	742	111	Ory	1 110	410	1 110	, u ı	2100	CID	415	2144
1427		Ara	Phe	Trp		Glv	Ser	Ile	Ser		Asp	Ala	Ser	Cvs		Ala
1428		3		420		~- <i>1</i>	~ ~ ~		425		1			430		
1430	Leu	Gly	Ala	Leu	Leu	Met	Gln	Val	Ser	Pro	Lys	Glu	Val	Leu	Tyr	Asp
1431		_	435					440					445			
1433	Ser	Lys	Gly	Leu	Ser	Arg		Ala	Gln	Lys	Ala	Leu	Arg	Lys	Tyr	Thr
1434		450					455					460				
1436																
1437																
1439	Gly	Asp	Thr	Asp		Ala	Gly	Val	Arg		Ile	Ile	Glu	Ser		GTA
1440		DI	.	a 1	485	G	01	a	m	490	a		17- 1	3	495	T
1442	туг	ьие	гÀг	_	ser	ser	GLU	ser	_	Asn	Cys	Ala	vaı	510	СТА	rea
1443 1445	λαn	Clu	Cvc	500	Val.	አገጐ	T ON	Cor	505	T 011	Clv	Clu	Ton		λcn	шic
1446	ASH	Glu	515	азр	val	нта	neu	520	ніа	пеп	GIY	GLU	525	116	ASII	піз
1448	T.eu	Ser		T.A11	Lvs	Len	Glu		ÙаΙ	T.eu	Lvs	Hig		Asp	Tle	Phe
1449	u	530	*** 9	u	-10	Leu	535		, w.	cu	<i>- ر</i>	540	~~1			
1451	Pro		Gln	Val	Tvr	Ara		Cys	Leu	Ara	Ile		Glv	Gln	Thr	Met
1452		. -			*	550	4	-		,	555		4			560
1454		Asn	Leu	Glu	Ile	Phe	Asn	Asn	Ser	Cys		Gly	Gly	Pro	Ser	Gly
1455					565					570					575	





Input Set : A:\09529239SeqList.txt
Output Set: N:\CRF3\06122001\I529239.raw

														_		_
1457 1458	Thr	Leu	Tyr	Lys 580	Tyr	Leu	Asp	Asn	Cys 585	Val	Ser	Pro	Thr	Gly 590	Lys	Arg
1460 1461	Leu	Leu	Arg 595	Asn	Trp	Ile	Cys	His 600	Pro	Leu	Lys	Asp	Val 605	Glu	Ser	Ile
1463 1464	Asn	Lys 610		Leu	Asp	Val	Val 615		Glu	Phe	Thr	Ala 620	Asn	Ser	Glu	Ser
1466			Ile	Thr	Gly	Gln 630		Leu	His	Lys	Leu 635		Asp	Leu	Glu	Arg 640
1467 1469	Leu	Leu	Gly	Arg	Ile 645		Ser	Ser	Val	Arg		Ser	Ala	Ser	Val 655	
1470 1472	Pro	Ala	Leu			Lys	Lys	Val			Gln	Arg	Val	Lys 670	-	Phe
1473 1475	C7.17	Cln	Tlo	660	Luc	Glv	Phe	Δra	665 Ser	Glv	Tle	Asp	Leu	- , -	Leu	Ala
1476			675					680					685			
1478 1479		690					695					700				
1481	Leu	Pro	Ile	Leu	Val	Gly	Lys	Ser	Gly	Leu	Glu	Leu	Phe	Leu	Ser	Gln
1482	705				_	710			1	_	715		a 1.	1	01 m	720
1484 1485					725					730					735	
1487	Val	Thr	Asp	Glu 740	Asn	Ala	Glu	Thr	Leu 745	Thr	Ile	Leu	Ile	Glu 750	Leu	Phe
1488 1490	alt	Glu	Δra		Thr	Gln	Trp	Ser		Val	Ile	His	Thr		Ser	Cys
1491			755					760					765			
1493 1494	Leu	Asp 770	Val	Leu	Arg	Ser	Phe 775	Ala	Ile	Ala	Ala	Ser 780	Leu	ser	Ala	GIĀ
1496 1497		Met	Ala	Arg	Pro	Val 790	Ile	Phe	Pro	Glu	Ser 795	Glu	Ala	Thr	Asp	Gln 800
1499		Gln	Lys	Thr	Lys 805		Pro	Ile	Leu	Lys 810		G1n	Gly	Leu	Trp 815	His
1500 1502	Pro	Phe	Ala			Ala	Asp	Gly		Leu	Pro	Val	Pro	Asn		Ile
1503 1505	Ť 0.11	T 0.1	<i>(</i> 1)	820	λla	λra	λνσ	Sor	825		Sar	Tle	His	830 Pro	Ara	Ser
1506			835					840					845			
1508 1509	Leu	Leu 850	Leu	Thr	Gly	Pro	Asn 855	Met	Gly	Gly	Lys	Ser 860	Thr	Leu	Leu	Arg
1511	Ala		Cys	Leu	Ala	Val		Phe	Ala	Gln	Leu	Gly	Cys	Tyr	Val	Pro
1512	865					870					875					880
1514	Cys	Glu	Ser	Cys			Ser	Leu	Val	Asp	Thr	Ile	Phe	Thr	Arg	Leu
1515					885			•		890	_	m1 .	53 la -	+	895	G1
1517	Gly	Ala	Ser	Asp 900	Arg	Ile	Met	Thr	Gly 905		Ser	Thr	Phe	ьеи 910	vaı	GIU
1518 1520	Cvc	mhr	Clu		λla	Sar	Val	T.Au			Ala	Thr	Gln		Ser	Leu
1521	Сұз	7117	915	1111	ALU	Der	, u.L	920					925			
1523	Val	Ile		Asp	Glu	Leu	Gly			Thr	Ser	Thr	Phe	Asp	Gly	Tyr.
1524		930					935					940				
1526	Ala			Tyr	Ser	Val	Phe	Arg	His	Leu			Lys	Val	Gln	Cys
1527	945				_	950		_		_	955		-	01.	n.	960
1529	Arg	Met	Leu	Phe	Ala	Thr	His	Tyr	His	Pro	Leu	Thr	Lys	GIU	ьие	ATG



RAW SEQUENCE LISTING

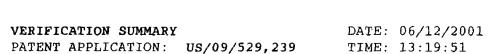
PATENT APPLICATION: US/09/529,239

DATE: 06/12/2001 TIME: 13:19:50

Input Set : A:\09529239SeqList.txt Output Set: N:\CRF3\06122001\I529239.raw

970 1532 Ser His Pro Arg Val Thr Ser Lys His Met Ala Cys Ala Phe Lys Ser 980 985 1535 Arg Ser Asp Tyr Gln Pro Arg Gly Cys Asp Gln Asp Leu Val Phe Leu 1536 995 1000 1538 Tyr Arg Leu Thr Glu Gly Ala Cys Pro Glu Ser Tyr Gly Leu Gln Val 1539 1010 1015 1020 1541 Ala Leu Met Ala Gly Ile Pro Asn Gln Val Val Glu Thr Ala/Ser Gly > Amino acid 1035 E--> 1542 1025 1030 1544 Ala Ala Gln Ala Met Lys Arg Ser Ile Gly Glu Asn Phe Lys Ser Ser number cannot 1050 1055 1045 1547 Glu Leu Arg Ser Glu Phe Ser Ser Leu His Glu Asp Trp Leu Lys Ser be under two E) 1548 1060 1065 1550 Leu Val Gly Ile Ser Arg Val Ala His Asn Asn Ala Pro Ile Gly Glu 1085 amino acids. 1553 Asp Asp Tyr Asp Thr Leu Phe Cys Leu Trp His Glu Ile Lys Ser Ser Move one space 1556 Tyr Cys Val Pro Lys 1557 1105 to the right. I Remaining lines are shown as error GIY at amino 1040.

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



Input Set : A:\09529239SeqList.txt

Output Set: N:\CRF3\06122001\I529239.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:976 M:252 E: No. of Seq. differs, <211>LENGTH:Input:1385 Found:2188 SEQ:26

L:1022 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:28 differs:26

L:1542 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:31

M:332 Repeated in SeqNo=31